FIGURE 1

100

114
310

WEB
SERVER

110

SERVICES
SYSTEM

150 152 154

FILE
SERVER

130 132 134

LEGACY
STORAGE

NETWORK 112

116 140

CUSTOMER

118 140

CUSTOMER

120 140

CUSTOMER
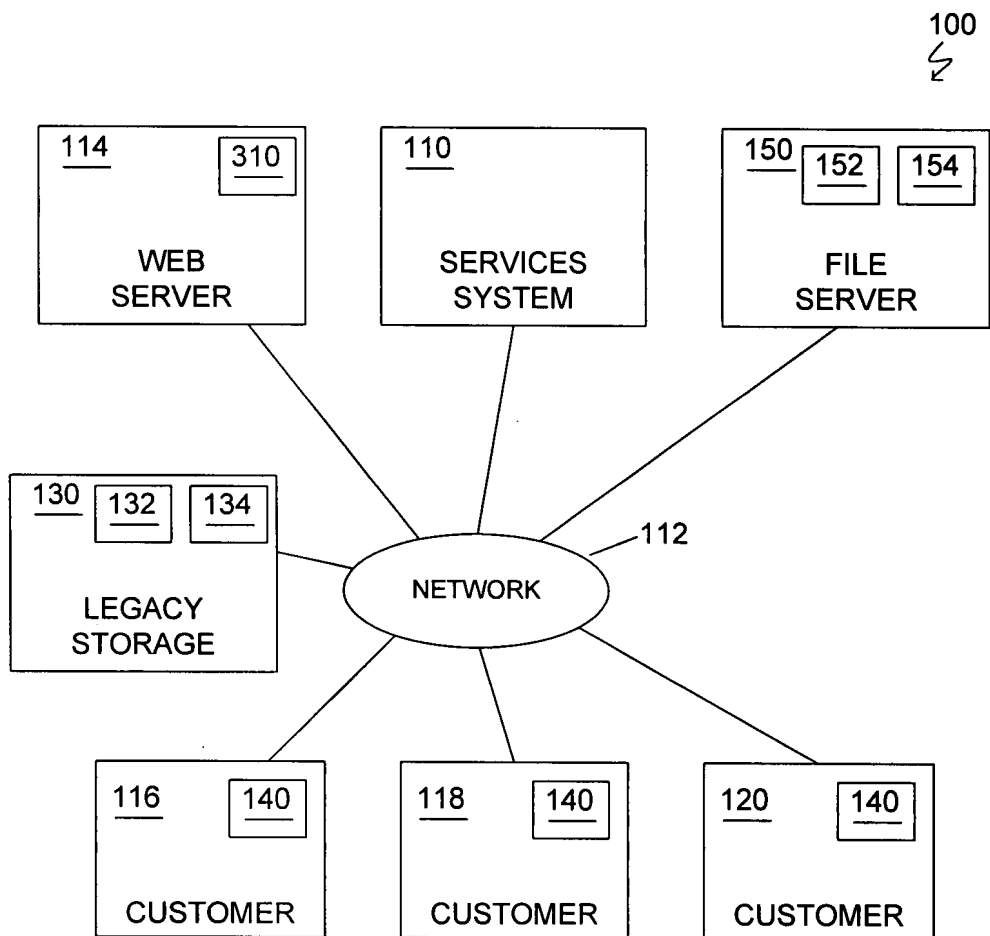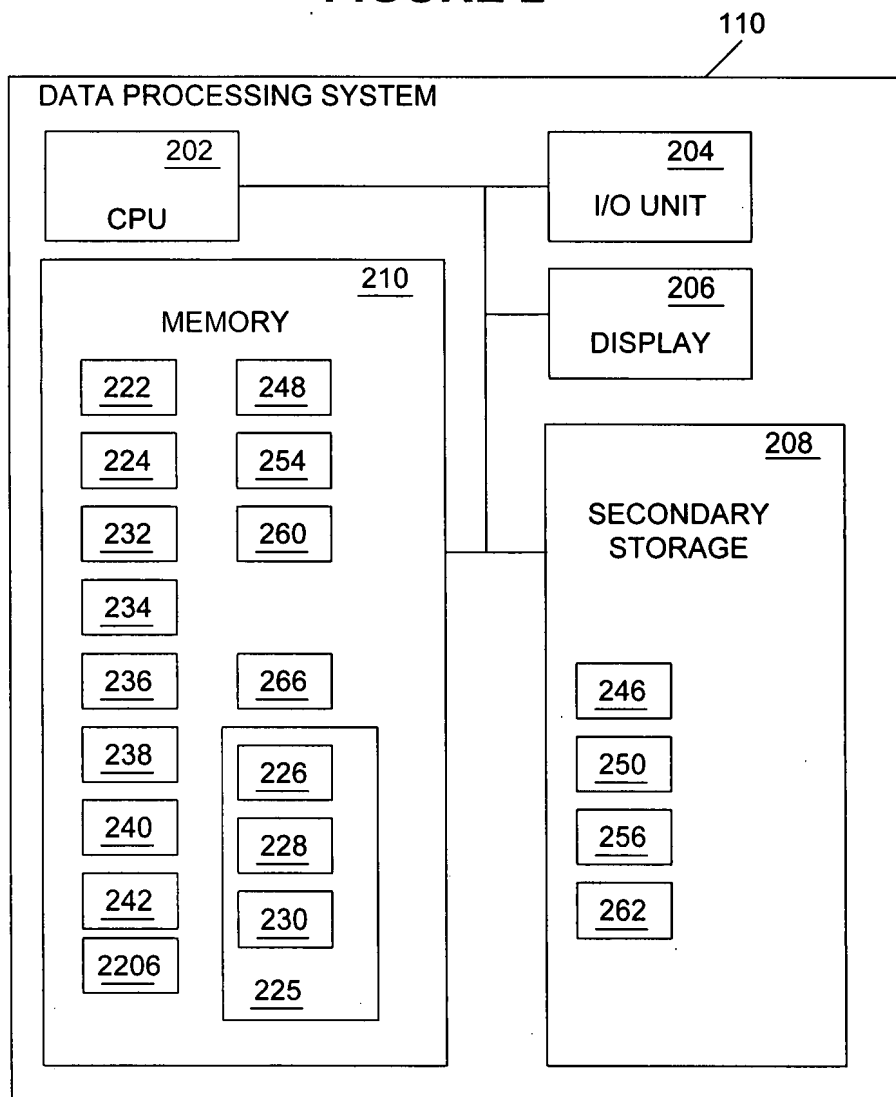
LEGEND

132 - LEGACY DATA STORAGE DEVICE
134 - LEGACY STORAGE CONTROLLER
140 - WEB BROWSER
152 - FILE MANAGER
154 - FILE SERVER STORAGE
310 - REGISTRATION ADMIN. WEBSITE

FIGURE 2
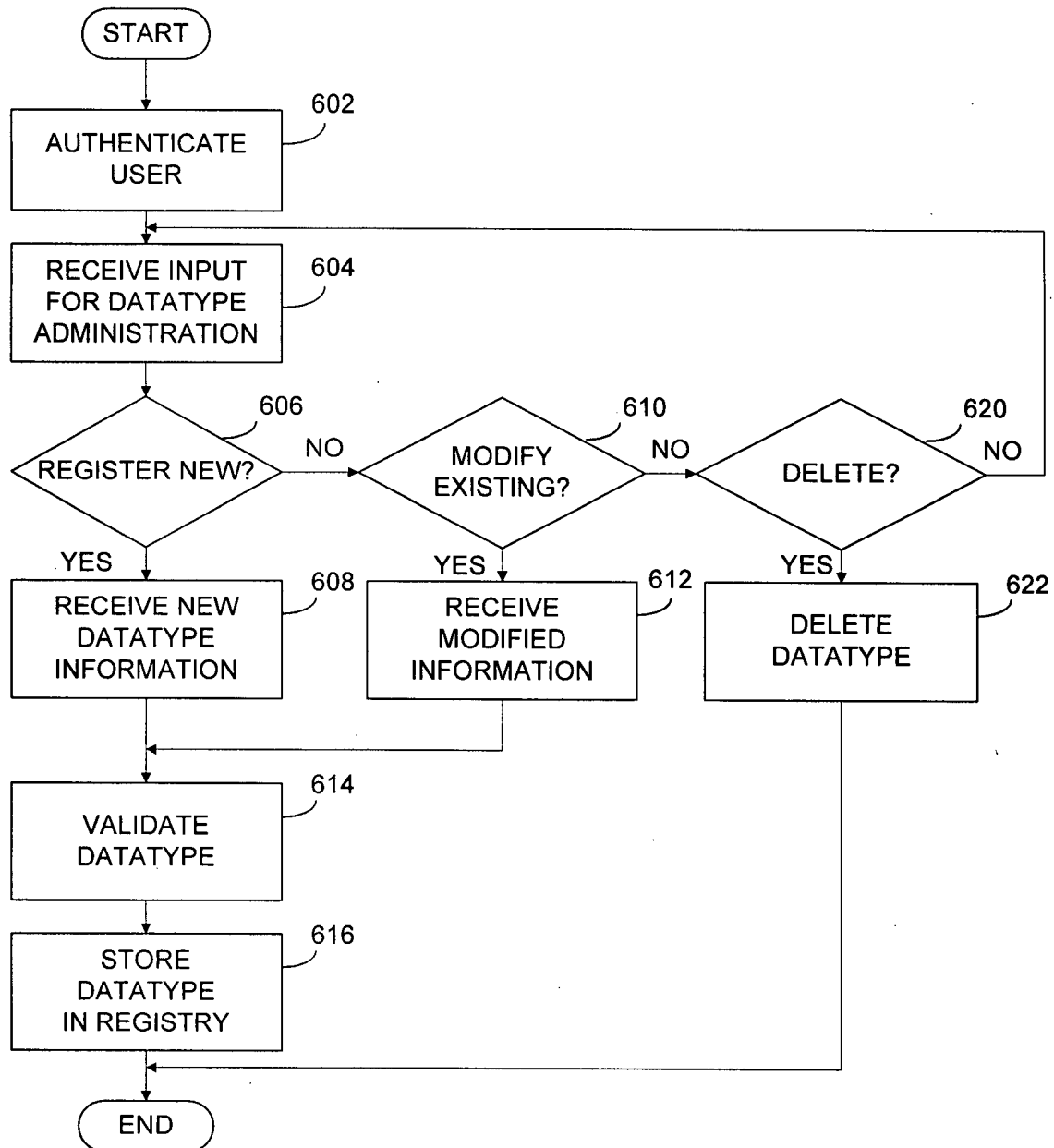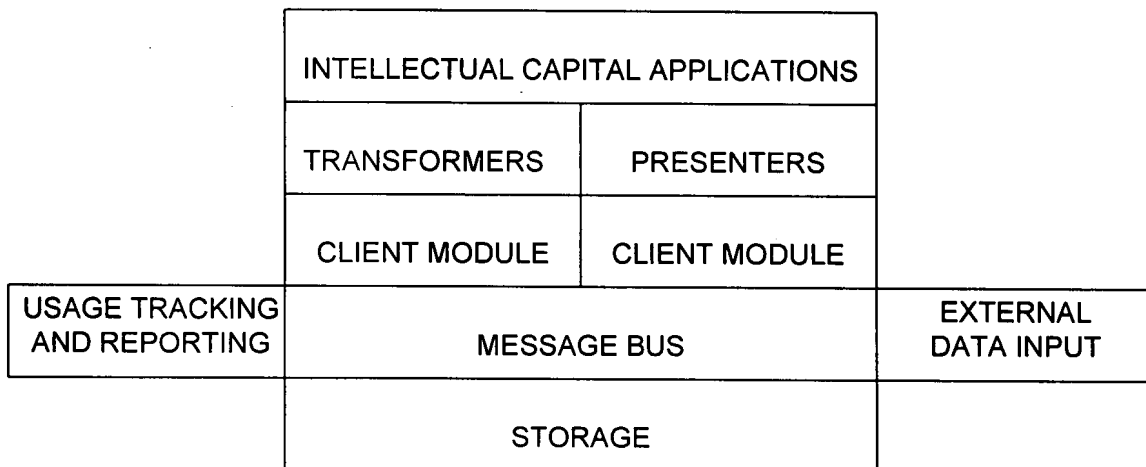
110

DATA PROCESSING SYSTEM

202 CPU	**204** I/O UNIT

210 MEMORY

222	248
224	254
232	260
234	
236	266
238	226
240	228
242	230
2206	225

206 DISPLAY

208 SECONDARY STORAGE

246
250
256
262

LEGEND

222 - REGISTRATION BLOCK
224 - BUS MANAGER
225 - STORAGE CONTROLLER
226 - LEGACY STORAGE CONTROLLER
228 - CORE STORAGE CONTROLLER
230 - TEMP. STORAGE CONTROLLER
232 - COMMON SERVICES BLOCK
234 - TRANSFORMER BLOCK
236 - PRESENTER BLOCK
238 - EXTERNAL DATA INPUT MGR.
240 - REGISTRY

242 - VIRTUAL DATABASE
246 - LISTS
248 - PROPERTIES RDBMS
250 - PROPERTIES DATABASE
254 - MESSAGE BROKER CLUSTER
256 - MESSAGE QUEUE REPOSITORY
260 - CLIENT MODULE
262 - LOCAL FILE SYSTEM
266 - MESSAGE QUEUE RDBMS
2206 - DATATYPE MAPPING EDITOR

FIGURE 6

START

↓

AUTHENTICATE USER — 602

↓

RECEIVE INPUT FOR DATATYPE ADMINISTRATION — 604

↓

REGISTER NEW? — 606

NO → MODIFY EXISTING? — 610

NO → DELETE? — 620

NO →

YES ↓ (606)
RECEIVE NEW DATATYPE INFORMATION — 608

YES ↓ (610)
RECEIVE MODIFIED INFORMATION — 612

YES ↓ (620)
DELETE DATATYPE — 622

VALIDATE DATATYPE — 614

↓

STORE DATATYPE IN REGISTRY — 616

↓

END

FIGURE 9

INTELLECTUAL CAPITAL APPLICATIONS		
TRANSFORMERS	PRESENTERS	
CLIENT MODULE	CLIENT MODULE	

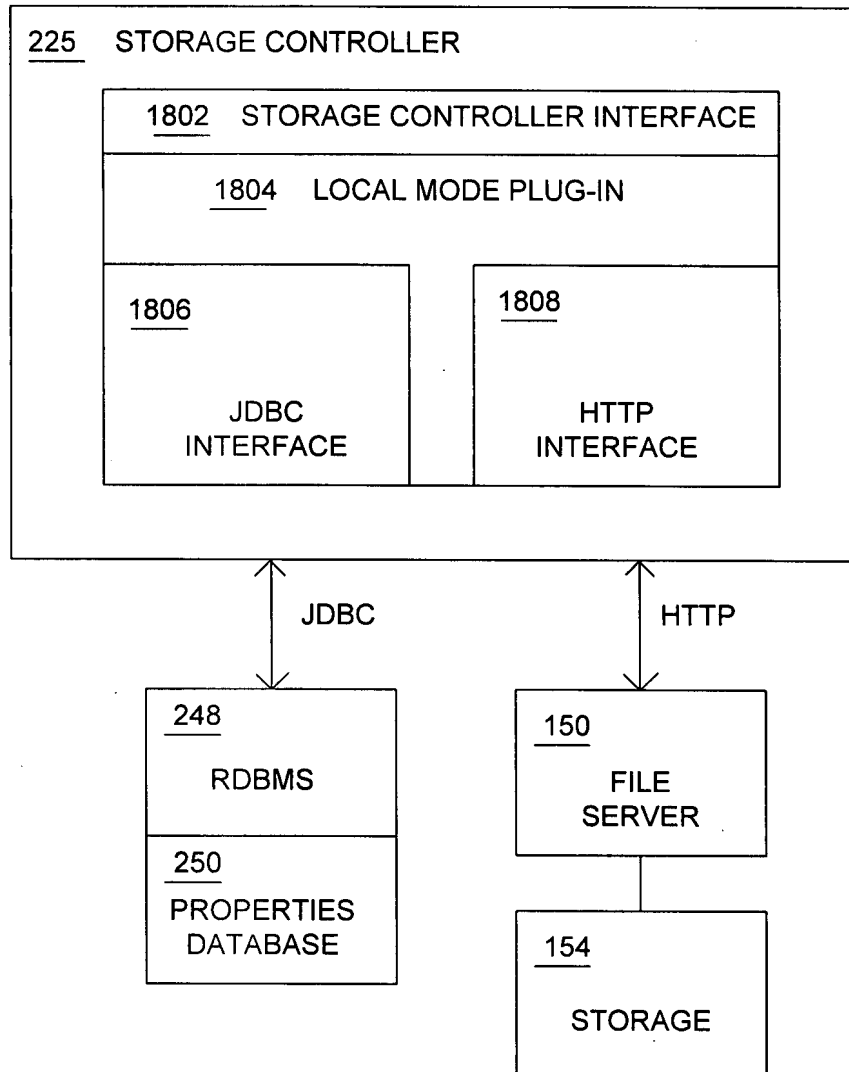| USAGE TRACKING AND REPORTING	MESSAGE BUS	EXTERNAL DATA INPUT
	STORAGE	

RELATIONSHIPS BETWEEN INTELLECTUAL CAPITAL
APPLICATIONS AND OTHER FUNCTIONAL COMPONENTS

FIGURE 18

225 STORAGE CONTROLLER

1802 STORAGE CONTROLLER INTERFACE

1804 LOCAL MODE PLUG-IN

1806

JDBC
INTERFACE

1808

HTTP
INTERFACE

JDBC

HTTP

248

RDBMS

250

PROPERTIES
DATABASE

150

FILE
SERVER

154

STORAGE

FIGURE 19

```
225   STORAGE CONTROLLER

    ┌──────────────────────────────────────────┐
    │ 1802   STORAGE CONTROLLER INTERFACE      │
    │ ┌──────────────────────────────────────┐ │
    │ │ 1902  REMOTE MODE PLUG-IN            │ │
    │ └──────────────────────────────────────┘ │
    │ ┌──────────────────────────────────────┐ │
    │ │ 1910           HTTP                  │ │
    │ │             INTERFACE                │ │
    │ └──────────────────────────────────────┘ │
    └──────────────────────────────────────────┘
```

HTTP

```
1904           HTTP INTERFACE

    1906      REMOTE SERVER

    ┌─────────────────┐   ┌─────────────────┐
    │ 1806            │   │ 1808            │
    │                 │   │                 │
    │     JDBC        │   │     HTTP        │
    │  INTERFACE      │   │  INTERFACE      │
    └─────────────────┘   └─────────────────┘
```

JDBC   HTTP

```
248                     150

    RDBMS                FILE
                        SERVER
250

PROPERTIES
DATABASE                154


                        STORAGE
```